

Amendments to the Claims

The current listing of the claims replaces all previous amendments and listings of the claims.

1. (Currently Amended) A high-frequency superposition module for an optical pickup that superposes a high-frequency current on a direct current of a laser diode for the optical pickup, said module comprising:

an oscillating circuit for feeding said high frequency current to said laser diode, which includes at least an active element and passive elements; and

a power supply for feeding said direct current to the laser diode which is also used as a power supply for said oscillating circuit.

2. (Currently Amended) A high-frequency superposition module as claimed in claim 1 further comprising:

an impedance matching circuit being provided between the oscillating circuit and the laser diode.

3. (Currently Amended) An optical pickup comprising:

a laser diode; and

a high-frequency superposition module that superposes a high-frequency current on a direct current of ~~[[a]]~~ the laser diode, said module ~~including~~ comprising:

an oscillating circuit for feeding said high frequency current to said laser diode, which includes at least an active element and passive elements; and

a power supply for feeding said direct current to the laser diode which is also used as a power supply for said oscillating circuit,

wherein said laser diode is configured to be driven by said high-frequency superposition module.

4. (New) A high-frequency superposition module for an optical pickup, the module comprising:

an oscillating circuit configured to provide a high frequency current to a laser diode, the oscillating circuit comprising an active element and a passive element; and

a direct current power supply configured to provide power to the laser diode and to provide power to the oscillating circuit.

5. (New) The high-frequency superposition module according to claim 4, further comprising:

an impedance matching circuit between the oscillating circuit and the laser diode.

6. (New) An optical pickup comprising:

a laser diode; and

a high-frequency superposition module configured to superpose a high-frequency current on a direct current to drive the laser diode, the module comprising:

an oscillating circuit configured to provide the high frequency current to the laser diode, the oscillating circuit comprising an active element and a passive element; and

a direct current power supply configured to provide the direct current to power the laser diode and to the oscillating circuit.